

CONFIDENTIAL

REMEDIAL SITE ASSESSMENT DECISION - EPA REGION 5

Site Name: Mansfield Products EPA ID#: OH 000723601  
Alias Site Names: \_\_\_\_\_  
City: Mansfield County or Parish: Richland State: OH  
Refer to Report Dated: 9/1/95 Report type: SIP  
Report developed by: DEP A

DECISION:

- ☒ 1. Further Remedial Site Assessment under CERCLA (Superfund) is not required because:
- ☒ 1a. Site does not qualify for further remedial site assessment under CERCLA  
No Further Remedial Action Planned (NFRAP) ☒ 1c. Archive
- ☐ 1b. Site may qualify for further action, but is deferred to: RCRA NRC
- ☐ 2. Further Assessment Needed Under CERCLA: 2a. (optional) Priority: ☐ Higher ☐ Lower
- 2b. Activity Type: ☐ PA ☐ ESI  
☐ SI ☐ HRS evaluation  
☐ Other: \_\_\_\_\_

DISCUSSION/RATIONALE: see attached

US EPA RECORDS CENTER REGION 5



543825

Report Reviewed and Approved by: J GRIFFIN Signature: J Griffin Date: 9/19/95  
Site Decision Made by: J GRIFFIN Signature: J Griffin Date: 9/19/95

NFA

4055 SPI WSC

Jeanne Griffin  
September 1, 1995  
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If you have any questions or comments, please feel free to contact me at (419) 373-3043.

Sincerely,

A handwritten signature in cursive script, enclosed in an oval. The signature appears to read "Ali M. Moazed".

Ali M. Moazed  
Site Coordinator

Enclosures (2)

cc: Bill Batin, Ohio EPA, DERR-CO  
File-NWDO

Record Information

1. Site Name: Mansfield Products  
(as entered in CERCLIS)
2. Site CERCLIS Number: OHD000723601
3. Site Reviewer: Bill Batin/Ali Moazed
4. Date: 1/20/95
5. Site Location: Mansfield, Richland, Ohio  
(City/County,State)
6. Congressional District: 4
7. Site Coordinates: Single  
Latitude: 40°45'49.0" Longitude: 082°30'20.0"

Site Description

1. Setting: Urban
2. Current Owner: Private - Industrial
3. Current Site Status: Inactive
4. Years of Operation: Active Site , from and to dates: 1936 to 1990
5. How Initially Identified: CERCLA Notification
6. Entity Responsible for Waste Generation:
  - Manufacturing
    - Metal Coating
    - Other Manufacturing
7. Site Activities/Waste Deposition:
  - Tanks - Below Ground
  - Discharge to Sewer/Surface Water

Waste Description

8. Wastes Deposited or Detected Onsite:

- Organic Chemicals
- Metals

Response Actions

9. Response/Removal Actions:

RCRA Information

10. For All Active Facilities, RCRA Site Status:

- Not Applicable

Demographic Information

11. Workers Present Onsite: Yes

12. Distance to Nearest Non-Worker Individual: > 10 Feet - 1/4 Mile

13. Residential Population Within 1 Mile: 9254.0

14. Residential Population Within 4 Miles: 66207.0

Water Use Information

15. Local Drinking Water Supply Source:

- Ground Water (within 4 mile distance limit)

16. Total Population Served by Local Drinking Water Supply Source: 9200.0

17. Drinking Water Supply System Type for Local Drinking Water Supply Sources:

- Municipal (Services over 25 People)

- Private

18. Surface Water Adjacent to/Draining Site:

- River
- Contaminated River

PREscore 3.0 - PRESCORE.TCL File 07/25/94  
HRS DOCUMENTATION RECORD  
Mansfield Products - 08/31/95

PAGE: 1

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	Score
Ground Water Migration Pathway Score (Sgw)	26.28
Surface Water Migration Pathway Score (Ssw)	96.06
Soil Exposure Pathway Score (Ss)	0.04
Air Migration Pathway Score (Sa)	5.11

Site Score	49.86
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NOTE

EPA uses the terms "facility," "site," and "release" interchangeably. The term "facility" is broadly defined in CERCLA to include any area where hazardous substances have "come to be located" (CERCLA Section 109(9)), and the listing process is not intended to define or reflect boundaries of such facilities or releases. Site names, and references to specific parcels or properties, are provided for general identification purposes only. Knowledge regarding the extent of sites will be refined as more information is developed during the RI/FS and even during implementation of the remedy.

1. WASTESTREAM QUANTITY SUMMARY TABLE, SOURCE: Cont. Soil and Sed.

a. Wastestream ID	
b. Hazardous Constituent Quantity (C) (lbs.)	0.00
c. Data Complete?	NO
d. Hazardous Wastestream Quantity (W) (lbs.)	0.00
e. Data Complete?	NO
f. Wastestream Quantity Value (W/5,000)	0.00E+00

Documentation for Constituents:

No information is available to assess this tier.

Reference:

Documentation for Wastestream Quantity:

No information is available to assess this tier.

Reference:

## WASTE QUANTITY

Mansfield Products - 08/31/95

## 2. SOURCE HAZARDOUS WASTE QUANTITY FACTOR TABLE

a. Source ID		Cont. Soil and Sed.	
b. Source Type		Contaminated Soil	
c. Secondary Source Type		N.A.	
d. Source Vol.(yd3/gal)	Source Area (ft2)	0.00	304920.00
e. Source Volume/Area Value		8.97E+00	
f. Source Hazardous Constituent Quantity (HCQ) Value (sum of 1b)		0.00E+00	
g. Data Complete?		NO	
h. Source Hazardous Wastestream Quantity (WSQ) Value (sum of 1f)		0.00E+00	
i. Data Complete?		NO	
k. Source Hazardous Waste Quantity (HWQ) Value (2e, 2f, or 2h)		8.97E+00	

Source Hazardous Substances	Depth (feet)	Liquid	Concent.	Units
Acenaphthene	< 2	NO	7.7E-01	ppm
Acenaphthylene	< 2	NO	2.8E-01	ppm
Anthracene	< 2	NO	1.3E+00	ppm
Barium	< 2	NO	1.3E+03	ppm
Benz(a)anthracene	< 2	NO	3.3E+00	ppm
Benzo(a)pyrene	< 2	NO	2.8E+00	ppm
Benzo(g,h,i)perylene	< 2	NO	2.8E+00	ppm
Beryllium	< 2	NO	1.0E+00	ppm
Bis (2-ethylhexyl) phthalate	< 2	NO	2.0E-01	ppm
Cadmium	< 2	NO	2.1E+00	ppm
Chrysene	< 2	NO	2.7E+00	ppm
Cobalt	< 2	NO	1.2E+02	ppm
DDE	< 2	NO	7.1E-02	ppm
Di-n-butyl phthalate	< 2	NO	1.0E-01	ppm
Dibenz(a,h)anthracene	< 2	NO	7.3E-01	ppm
Dibenzofuran	< 2	NO	1.0E+00	ppm
Dichloroethane, 1,1-	< 2	YES	1.1E-01	ppm
Dichloroethylene, cis-1,2-	< 2	YES	3.4E-01	ppm
Ethyl benzene	< 2	YES	8.8E+00	ppm
Fluorene	< 2	NO	9.0E-01	ppm
Heptachlor epoxide	< 2	NO	1.4E-01	ppm



## WASTE QUANTITY

Mansfield Products - 08/31/95

Indeno(1,2,3-CD)pyrene	< 2	NO	2.6E+00	ppm
Lead	< 2	NO	9.3E+02	ppm
Manganese	< 2	NO	5.4E+03	ppm
Mercury	< 2	NO	3.8E-01	ppm
Methyl isobutyl ketone	< 2	YES	1.5E+00	ppm
Methyl Napthalene, 2-	< 2	NO	3.3E+00	ppm
Methylene chloride	< 2	NO	2.0E-03	ppm
Naphthalene	< 2	NO	1.8E+00	ppm
Nickel	< 2	NO	1.7E+03	ppm
PCBs	< 2	NO	2.6E+00	ppm
Phenanthrene	< 2	NO	1.1E+01	ppm
Pyrene	< 2	NO	5.8E+00	ppm
Silver	< 2	NO	1.5E+00	ppm
Tetrachloroethene	< 2	YES	6.2E-02	ppm
Toluene	< 2	NO	0.0E+00	ppm
Trichloroethane, 1,1,1-	> 2	YES	5.9E-02	ppm
Vinyl chloride	< 2	YES	3.6E-02	ppm
Xylene, m-	< 2	NO	1.4E-02	ppm
Xylene, o-	< 2	YES	8.7E+00	ppm
Zinc	< 2	NO	1.0E+03	ppm

## Documentation for Source Type:

Source is contaminated soil resulting from leaking USTs which have been removed. Also contaminated sediment from untreated industrial wastewater discharge to the River.

Reference: 3

## Documentation for Source Hazardous Substances:

Analytical data taken from E & E report. Observed contamination was considered anything more than three times background.

Reference: 3

Documentation for Source Area:

7 acres times 43,560 ft<sup>2</sup> per acre equals 304920 ft<sup>2</sup>.

Reference:

WASTE QUANTITY  
Mansfield Products - 08/31/95

## 3. SITE HAZARDOUS WASTE QUANTITY SUMMARY

No.	Source ID	Migration Pathways	Vol. or Area Value (2e)	Constituent or Wastestream Value (2f,2h)	Hazardous Waste Qty. Value (2k)
1	Cont. Soil and Sed.	GW-SW-SE-A	8.97E+00	0.00E+00	8.97E+00

WASTE QUANTITY  
Mansfield Products - 08/31/95

## 4. PATHWAY HAZARDOUS WASTE QUANTITY AND WASTE CHARACTERISTICS SUMMARY TABLE

Migration Pathway	Contaminant Values	HWQVs*	WCVs**
Ground Water	Toxicity/Mobility 1.00E+04	10	18
SW: Overland Flow, DW	Tox./Persistence 1.00E+04	100	32
SW: Overland Flow, HFC	Tox./Persis./Bioacc. 5.00E+08	100	320
SW: Overland Flow, Env	Etox./Persis./Bioacc. 5.00E+08	100	320
SW: GW to SW, DW	Tox./Persistence 2.00E+03	10	10
SW: GW to SW, HFC	Tox./Persis./Bioacc. 1.00E+07	10	100
SW: GW to SW, Env	Etox./Persis./Bioacc. 1.00E+06	10	56
Soil Exposure: Resident	Toxicity 1.00E+04	10	18
Soil Exposure: Nearby	Toxicity 1.00E+04	10	18
Air	Toxicity/Mobility 1.00E+04	10	18

\* Hazardous Waste Quantity Factor Values

\*\* Waste Characteristics Factor Category Values

Note: SW = Surface Water  
 GW = Ground Water  
 DW = Drinking Water Threat  
 HFC = Human Food Chain Threat  
 Env = Environmental Threat

PREscore 3.0 - PRESCORE.TCL File 07/25/94  
GROUND WATER MIGRATION PATHWAY SCORESHEET  
Mansfield Products - 08/31/95

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GROUND WATER MIGRATION PATHWAY Factor Categories & Factors	Maximum Value	Value Assigned
Likelihood of Release to an Aquifer Aquifer: Sandstone/Shale/Unco		
1. Observed Release	550	550
2. Potential to Release		
2a. Containment	10	10
2b. Net Precipitation	10	3
2c. Depth to Aquifer	5	5
2d. Travel Time	35	5
2e. Potential to Release [lines 2a(2b+2c+2d)]	500	130
3. Likelihood of Release	550	550
Waste Characteristics		
4. Toxicity/Mobility	*	1.00E+04
5. Hazardous Waste Quantity	*	10
6. Waste Characteristics	100	18
Targets		
7. Nearest Well	50	9.00E+00
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	2.05E+02
8d. Population (lines 8a+8b+8c)	**	2.05E+02
9. Resources	5	5.00E+00
10. Wellhead Protection Area	20	0.00E+00
11. Targets (lines 7+8d+9+10)	**	2.19E+02
12. Targets (including overlaying aquifers)	**	2.19E+02
13. Aquifer Score	100	26.28
GROUND WATER MIGRATION PATHWAY SCORE (Sgw)	100	26.28

\* Maximum value applies to waste characteristics category.

\*\* Maximum value not applicable.

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors DRINKING WATER THREAT	Maximum Value	Value Assigned
Likelihood of Release		
1. Observed Release	550	550
2. Potential to Release by Overland Flow		
2a. Containment	10	10
2b. Runoff	25	1
2c. Distance to Surface Water	25	25
2d. Potential to Release by Overland Flow [lines 2a(2b+2c)]	500	260
3. Potential to Release by Flood		
3a. Containment (Flood)	10	10
3b. Flood Frequency	50	50
3c. Potential to Release by Flood (lines 3a x 3b)	500	500
4. Potential to Release (lines 2d+3c)	500	500
5. Likelihood of Release	550	550
Waste Characteristics		
6. Toxicity/Persistence	*	1.00E+04
7. Hazardous Waste Quantity	*	100
8. Waste Characteristics	100	32
Targets		
9. Nearest Intake	50	0.00E+00
10. Population		
10a. Level I Concentrations	**	0.00E+00
10b. Level II Concentrations	**	0.00E+00
10c. Potential Contamination	**	0.00E+00
10d. Population (lines 10a+10b+10c)	**	0.00E+00
11. Resources	5	0.00E+00
12. Targets (lines 9+10d+11)	**	0.00E+00
13. DRINKING WATER THREAT SCORE	100	0.00

\* Maximum value applies to waste characteristics category.  
 \*\* Maximum value not applicable.

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors HUMAN FOOD CHAIN THREAT	Maximum Value	Value Assigned
Likelihood of Release		
14. Likelihood of Release (same as line 5)	550	550
Waste Characteristics		
15. Toxicity/Persistence/Bioaccumulation	*	5.00E+08
16. Hazardous Waste Quantity	*	100
17. Waste Characteristics	1000	320
Targets		
18. Food Chain Individual	50	4.50E+01
19. Population		
19a. Level I Concentrations	**	0.00E+00
19b. Level II Concentrations	**	3.00E-02
19c. Pot. Human Food Chain Contamination	**	3.00E-05
19d. Population (lines 19a+19b+19c)	**	3.00E-02
20. Targets (lines 18+19d)	**	4.50E+01
21. HUMAN FOOD CHAIN THREAT SCORE	100	96.06

\* Maximum value applies to waste characteristics category.  
 \*\* Maximum value not applicable.

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors ENVIRONMENTAL THREAT	Maximum Value	Value Assigned
Likelihood of Release		
22. Likelihood of Release (same as line 5)	550	550
Waste Characteristics		
23. Ecosystem Toxicity/Persistence/Bioacc.	*	5.00E+08
24. Hazardous Waste Quantity	*	100
25. Waste Characteristics	1000	320
Targets		
26. Sensitive Environments		
26a. Level I Concentrations	**	0.00E+00
26b. Level II Concentrations	**	0.00E+00
26c. Potential Contamination	**	0.00E+00
26d. Sensitive Environments (lines 26a+26b+26c)	**	0.00E+00
27. Targets (line 26d)	**	0.00E+00
28. ENVIRONMENTAL THREAT SCORE	60	0.00
29. WATERSHED SCORE	100	96.06
30. SW: OVERLAND/FLOOD COMPONENT SCORE (Sof)	100	96.06

\* Maximum value applies to waste characteristics category.  
 \*\* Maximum value not applicable.



GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors DRINKING WATER THREAT	Maximum Value	Value Assigned
Likelihood of Release to Aquifer Aquifer: Sandstone/Shale/Unco		
1. Observed Release	550	550
2. Potential to Release		
2a. Containment	10	10
2b. Net Precipitation	10	3
2c. Depth to Aquifer	5	5
2d. Travel Time	35	5
2e. Potential to Release [lines 2a(2b+2c+2d)]	500	130
3. Likelihood of Release	550	550
Waste Characteristics		
4. Toxicity/Mobility/Persistence	*	2.00E+03
5. Hazardous Waste Quantity	*	10
6. Waste Characteristics	100	10
Targets		
7. Nearest Intake	50	0.00E+00
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	0.00E+00
8d. Population (lines 8a+8b+8c)	**	0.00E+00
9. Resources	5	0.00E+00
10. Targets (lines 7+8d+9)	**	0.00E+00
11. DRINKING WATER THREAT SCORE	100	0.00

\* Maximum value applies to waste characteristics category.  
\*\* Maximum value not applicable.

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors HUMAN FOOD CHAIN THREAT	Maximum Value	Value Assigned
Likelihood of Release		
12. Likelihood of Release (same as line 3)	550	550
Waste Characteristics		
13. Toxicity/Mobility/Persistence/Bioacc.	*	1.00E+07
14. Hazardous Waste Quantity	*	10
15. Waste Characteristics	1000	100
Targets		
16. Food Chain Individual	50	0.00E+00
17. Population		
17a. Level I Concentrations	**	0.00E+00
17b. Level II Concentrations	**	0.00E+00
17c. Pot. Human Food Chain Contamination	**	0.00E+00
17d. Population (lines 17a+17b+17c)	**	0.00E+00
18. Targets (lines 16+17d)	**	0.00E+00
19. HUMAN FOOD CHAIN THREAT SCORE	100	0.00

\* Maximum value applies to waste characteristics category.  
\*\* Maximum value not applicable.

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors ENVIRONMENTAL THREAT	Maximum Value	Value Assigned
Likelihood of Release		
20. Likelihood of Release (same as line 3)	550	550
Waste Characteristics		
21. Ecosystem Tox./Mobility/Persist./Bioacc.	*	1.00E+06
22. Hazardous Waste Quantity	*	10
23. Waste Characteristics	1000	56
Targets		
24. Sensitive Environments		
24a. Level I Concentrations	**	0.00E+00
24b. Level II Concentrations	**	0.00E+00
24c. Potential Contamination	**	0.00E+00
24d. Sensitive Environments (lines 24a+24b+24c)	**	0.00E+00
25. Targets (line 24d)	**	0.00E+00
26. ENVIRONMENTAL THREAT SCORE	60	0.00
27. WATERSHED SCORE	100	0.00
28. SW: GW to SW COMPONENT SCORE (Sgs)	100	0.00

\* Maximum value applies to waste characteristics category.

\*\* Maximum value not applicable.

PREscore 3.0 - PRESCORE.TCL File 07/25/94  
 SOIL EXPOSURE PATHWAY SCORESHEET  
 Mansfield Products - 08/31/95

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SOIL EXPOSURE PATHWAY Factor Categories & Factors RESIDENT POPULATION THREAT	Maximum Value	Value Assigned
Likelihood of Exposure		
1. Likelihood of Exposure	550	550
Waste Characteristics		
2. Toxicity	*	1.00E+04
3. Hazardous Waste Quantity	*	10
4. Waste Characteristics	100	18
Targets		
5. Resident Individual	50	0.00E+00
6. Resident Population		
6a. Level I Concentrations	**	0.00E+00
6b. Level II Concentrations	**	0.00E+00
6c. Resident Population (lines 6a+6b)	**	0.00E+00
7. Workers	15	0.00E+00
8. Resources	5	0.00E+00
9. Terrestrial Sensitive Environments	***	0.00E+00
10. Targets (lines 5+6c+7+8+9)	**	0.00E+00
11. RESIDENT POPULATION THREAT SCORE	**	0.00E+00

\* Maximum value applies to waste characteristics category.

\*\* Maximum value not applicable.

\*\*\* No specific maximum value applies, see HRS for details.

PREscore 3.0 - PRESCORE.TCL File 07/25/94  
 SOIL EXPOSURE PATHWAY SCORESHEET  
 Mansfield Products - 08/31/95

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SOIL EXPOSURE PATHWAY Factor Categories & Factors NEARBY POPULATION THREAT	Maximum Value	Value Assigned
Likelihood of Exposure		
12. Attractiveness/Accessibility	100	1.00E+01
13. Area of Contamination	100	6.00E+01
14. Likelihood of Exposure	500	2.50E+01
Waste Characteristics		
15. Toxicity	*	1.00E+04
16. Hazardous Waste Quantity	*	10
17. Waste Characteristics	100	18
Targets		
18. Nearby Individual	1	1.00E+00
19. Population Within 1 Mile	**	7.00E+00
20. Targets (lines 18+19)	**	8.00E+00
21. NEARBY POPULATION THREAT SCORE	**	3.60E+03
SOIL EXPOSURE PATHWAY SCORE (Ss)	100	0.04

\* Maximum value applies to waste characteristics category.  
 \*\* Maximum value not applicable.

AIR MIGRATION PATHWAY Factor Categories & Factors	Maximum Value	Value Assigned
Likelihood of Release		
1. Observed Release	550	0
2. Potential to Release		
2a. Gas Potential to Release	500	360
2b. Particulate Potential to Release	500	280
2c. Potential to Release	500	360
3. Likelihood of Release	550	360
Waste Characteristics		
4. Toxicity/Mobility	*	1.00E+04
5. Hazardous Waste Quantity	*	10
6. Waste Characteristics	100	18
Targets		
7. Nearest Individual	50	2.00E+01
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	4.50E+01
8d. Population (lines 8a+8b+8c)	**	4.50E+01
9. Resources	5	0.00E+00
10. Sensitive Environments		
10a. Actual Contamination	***	0.00E+00
10b. Potential Contamination	***	0.00E+00
10c. Sens. Environments (lines 10a+10b)	***	0.00E+00
11. Targets (lines 7+8d+9+10c)	**	6.50E+01
AIR MIGRATION PATHWAY SCORE (Sa)	100	5.11E+00

\* Maximum value applies to waste characteristics category.

\*\* Maximum value not applicable.

\*\*\* No specific maximum value applies, see HRS for details.